

Electricity and Magnetism, Thailand, NIMT (National Institute of Metrology (Thailand))

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
DC voltage sources: single values	Solid state voltage standard	Compare against DC standard	10	10	V			0.4	µV/V	2	95%	Yes	1
DC voltage sources: single values	Solid state voltage standard, standard cell	Compare against DC standard	1.018	1.018	V			0.9	µV/V	2	95%	Yes	2
DC voltage sources: low values (<=10 V)	DC voltage source, multifunction calibrator	Compare against DC standard	100	100	mV			5	µV/V	2	95%	Yes	3
DC voltage sources: low values (<=10 V)	DC voltage source, multifunction calibrator	Compare against DC standard	1	1	V			0.6	µV/V	2	95%	Yes	4
DC voltage sources: intermediate values (> 10 V to 1100 V)	DC voltage source, multifunction calibrator	Compare against DC standard	100	100	V			0.5	µV/V	2	95%	Yes	5
DC voltage sources: intermediate values (> 10 V to 1100 V)	DC voltage source, multifunction calibrator	Compare against DC standard	1000	1000	V			0.7	µV/V	2	95%	Yes	6
DC voltage sources: low value ranges (<=10 V)	DC voltage source, multifunction calibrator, voltage V	Compare against DC standard	0	10	V			(0.5 v + 2), v in V	µV	2	95%	No	7
DC voltage sources: intermediate values (> 10 V to 1100 V)	DC voltage source, multifunction calibrator, voltage V	Compare against DC standard	> 10	100	V			(0.5 v + 15), v in V	µV	2	95%	No	8

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DC voltage sources: intermediate values (> 10 V to 1100 V)	DC voltage source, multifunction calibrator, voltage V	Compare against DC standard	> 100	1000	V			(0.8 v + 200), v in V	µV	2	95%	No	9
DC resistance sources: low values (<= 1 Ω)	Fixed resistor	DCC bridge & range extender	0.001	0.001	Ω	Current	10 A to 100 A	2.8	µΩ/Ω	2	95%	Yes	10
						Oil bath temperature	23 °C						
DC resistance sources: low values (<= 1 Ω)	Fixed resistor	DCC bridge & range extender	0.01	0.01	Ω	Current	1 A to 10 A	2.3	µΩ/Ω	2	95%	Yes	11
						Oil bath temperature	23 °C						
DC resistance sources: low values (<= 1 Ω)	Fixed resistor	DCC bridge & range extender	0.1	0.1	Ω	Current	0.1 A to 1 A	2.3	µΩ/Ω	2	95%	Yes	12
						Oil bath temperature	23 °C						
DC resistance sources: low values (<= 1 Ω)	Fixed resistor	DCC bridge	1	1	Ω	Current	100 A	1.5	µΩ/Ω	2	95%	Yes	13
						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	DCC bridge	10	10	Ω	Current	30 mA	1.6	µΩ/Ω	2	95%	Yes	14
						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	DCC bridge	100	100	Ω	Current	10 mA	2.2	µΩ/Ω	2	95%	Yes	15

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						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	DCC bridge	1	1	kΩ	Current	3 mA	2.5	μΩ/Ω	2	95%	Yes	16
						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	DCC bridge	10	10	kΩ	Current	1 mA	2.4	μΩ/Ω	2	95%	Yes	17
						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	DCC bridge	100	100	kΩ	Current	0.1 mA	2.5	μΩ/Ω	2	95%	Yes	18
						Oil bath temperature	23 °C						
DC resistance sources: intermediate values (> 1 Ω to 1 MΩ)	Fixed resistor	Wheatstone bridge	1	1	MΩ	Voltage	1 V	18	μΩ/Ω	2	95%	Yes	19
DC resistance sources: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	10	10	MΩ	Voltage	1 V	32	μΩ/Ω	2	95%	Yes	20
DC resistance sources: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	100	100	MΩ	Voltage	5 V	0.12	mΩ/Ω	2	95%	Yes	21
DC resistance source: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	1	1	GΩ	Voltage	20 V	0.69	mΩ/Ω	2	95%	Yes	22

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Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
DC resistance sources: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	10	10	GΩ	Voltage	50 V	0.88	mΩ/Ω	2	95%	Yes	23
DC resistance sources: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	100	100	GΩ	Voltage	100 V	4.2	mΩ/Ω	2	95%	Yes	24
DC resistance sources: high values (> 1 MΩ)	Fixed resistor	Wheatstone bridge	1	1	TΩ	Voltage	100 V	4.2	mΩ/Ω	2	95%	Yes	25
DC current sources: low values (<= 0.1 mA)	Current generator, multifunction calibrator	V/A method	10	10	μA			8.5	μA/A	2	95%	Yes	26
DC current sources: low values (<= 0.1 mA)	Current generator, multifunction calibrator	V/A method	100	100	μA			7.5	μA/A	2	95%	Yes	27
DC current sources: intermediate values (> 0.1 mA to 20 A)	Current generator, multifunction calibrator	V/A method	1	1	mA			7	μA/A	2	95%	Yes	28
DC current sources: intermediate values (> 0.1 mA to 20 A)	Current generator, multifunction calibrator	V/A method	0.01	1	A	Current	10 mA, 100 mA, 1 A	8.5	μA/A	2	95%	Yes	29
DC current sources: intermediate values (> 0.1 mA to 20 A)	Current generator, multifunction calibrator	V/A method	10	10	A			9	μA/A	2	95%	Yes	30
DC current sources: high values (> 20 A to 100 A)	Current generator	V/A method	100	100	A			9.5	μA/A	2	95%	Yes	31
Capacitance and dissipation factor: low loss capacitor	Standard capacitor (air, fused silica) 3 terminal	Compare against reference standard	10	10	pF	Frequency	1 kHz	36	μF/F	2	95%	Yes	32

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Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
Capacitance and dissipation factor: low loss capacitor	Standard capacitor (air, fused silica) 3 terminal	Compare against reference standard	100	100	pF	Frequency	1 kHz	24	μF/F	2	95%	Yes	33
Capacitance and dissipation factor: low loss capacitor	Standard capacitor (air, fused silica) 3 terminal	Compare against reference standard	1000	1000	pF	Frequency	1 kHz	24	μF/F	2	95%	Yes	34
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1	1	pF	Frequency	2 kHz, 5 kHz, 10 kHz	0.15	mF/F	2	95%	Yes	35
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	10	10	pF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	36
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	100	100	pF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	37
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1000	1000	pF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	38
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	10	10	nF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	39
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	100	100	nF	Frequency	2 kHz, 5 kHz	0.12	mF/F	2	95%	Yes	40
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	100	100	nF	Frequency	10 kHz	0.26	mF/F	2	95%	Yes	41
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1	1	μF	Frequency	2 kHz	0.12	mF/F	2	95%	Yes	42
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1	1	μF	Frequency	5 kHz	0.6	mF/F	2	95%	Yes	43
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1	1	μF	Frequency	10 kHz	2.3	mF/F	2	95%	Yes	44

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Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	1	< 10	pF	Frequency	1 kHz	0.15	mF/F	2	95%	Yes	45
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (3 terminal)	Compare against reference standard	0.001	1000	nF	Frequency	100 Hz, 120 Hz, 200 Hz, 400 Hz, 500 Hz, 1 kHz	0.12	mF/F	2	95%	Yes	46
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	1	1000	nF	Frequency	1 kHz	0.12	mF/F	2	95%	Yes	47
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	1000	1000	pF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	48
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	10	10	nF	Frequency	2 kHz, 5 kHz, 10 kHz	0.12	mF/F	2	95%	Yes	49
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	100	100	nF	Frequency	2 kHz, 5 kHz	0.12	mF/F	2	95%	Yes	50
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	100	100	nF	Frequency	10 kHz	0.26	mF/F	2	95%	Yes	51
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	1	1	μF	Frequency	2 kHz	0.12	mF/F	2	95%	Yes	52
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	1	1	μF	Frequency	5 kHz	0.6	mF/F	2	95%	Yes	53
Capacitance and dissipation factor: dielectric capacitor	Fixed capacitor, capacitance box (2 terminal)	Compare against reference standard	1	1	μF	Frequency	10 kHz	2.3	mF/F	2	95%	Yes	54
Inductance: self inductance and equivalent series resistance, low values (< 1 mH)	Fixed inductor	Compare against reference standard	100	100	μH	Frequency	1 kHz	0.25	mH/H	2	95%	Yes	55

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Inductance: self inductance and equivalent series resistance, intermediate values ($\geq 1 \text{ mH}$ to 1 H)	Fixed inductor	Compare against reference standard	10	10	mH	Frequency	1 kHz	0.23	mH/H	2	95%	Yes	56
Inductance: self inductance and equivalent series resistance, intermediate values ($\geq 1 \text{ mH}$ to 1 H)	Fixed inductor	Compare against reference standard	100	100	mH	Frequency	1 kHz	0.23	mH/H	2	95%	Yes	57
Inductance: self inductance and equivalent series resistance, intermediate values ($\geq 1 \text{ mH}$ to 1 H)	Fixed inductor	Compare against reference standard	1	1	H	Frequency	1 kHz	0.23	mH/H	2	95%	Yes	58
Inductance: self inductance and equivalent series resistance, high values ($> 1 \text{ H}$)	Fixed inductor	Compare against reference standard	10	10	H	Frequency	1 kHz	0.23	mH/H	2	95%	Yes	59
AC/DC voltage transfer: AC/DC transfer difference at low voltages ($\leq 0.5 \text{ V}$)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	10 Hz to 20 Hz	106	$\mu\text{V}/\text{V}$	2	95%	Yes	60
AC/DC voltage transfer: AC/DC transfer difference at low voltages ($\leq 0.5 \text{ V}$)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	30 Hz to 300 Hz	85	$\mu\text{V}/\text{V}$	2	95%	Yes	61

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AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	400 Hz to 30 kHz	81	µV/V	2	95%	Yes	62
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	50 kHz to 70 kHz	81	µV/V	2	95%	Yes	63
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	100 kHz	100	µV/V	2	95%	Yes	64
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	200 kHz to 500 kHz	150	µV/V	2	95%	Yes	65
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	10	10	mV	Frequency	700 kHz to 1 MHz	250	µV/V	2	95%	Yes	66
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	10 Hz to 20 Hz	76	µV/V	2	95%	Yes	67
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	30 Hz to 300 Hz	61	µV/V	2	95%	Yes	68

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Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	400 Hz to 30 kHz	61	µV/V	2	95%	Yes	69
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	50 kHz to 70 kHz	61	µV/V	2	95%	Yes	70
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	100 kHz	71	µV/V	2	95%	Yes	71
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	200 kHz to 500 kHz	140	µV/V	2	95%	Yes	72
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	20	mV	Frequency	700 kHz to 1 MHz	200	µV/V	2	95%	Yes	73
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	10 Hz to 20 Hz	66	µV/V	2	95%	Yes	74
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	30 Hz to 300 Hz	47	µV/V	2	95%	Yes	75

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AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	400 Hz to 30 kHz	47	µV/V	2	95%	Yes	76
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	50 kHz to 70 kHz	47	µV/V	2	95%	Yes	77
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	100 kHz	52	µV/V	2	95%	Yes	78
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	200 kHz to 500 kHz	100	µV/V	2	95%	Yes	79
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	60	60	mV	Frequency	700 kHz to 1 MHz	150	µV/V	2	95%	Yes	80
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	37	µV/V	2	95%	Yes	81
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	24	µV/V	2	95%	Yes	82

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						Frequency	30 Hz to 300 Hz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	24	µV/V	2	95%	Yes	83
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	24	µV/V	2	95%	Yes	84
						Frequency	50 kHz to 70 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	32	µV/V	2	95%	Yes	85
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	76	µV/V	2	95%	Yes	86
						Frequency	200 kHz to 500 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	120	µV/V	2	95%	Yes	87
						Frequency	700 kHz to 1 MHz						

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AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	16	µV/V	2	95%	Yes	88
						Frequency	10 Hz to 20 Hz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	16	µV/V	2	95%	Yes	89
						Frequency	30 Hz to 300 Hz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	13	µV/V	2	95%	Yes	90
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	13	µV/V	2	95%	Yes	91
						Frequency	50 kHz to 70 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	14	µV/V	2	95%	Yes	92
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	21	µV/V	2	95%	Yes	93

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						Frequency	200 kHz to 500 kHz						
AC/DC voltage transfer: AC/DC transfer difference at low voltages (<= 0.5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	300	500	mV	Voltage	300 mV, 500 mV	32	µV/V	2	95%	Yes	94
						Frequency	700 kHz to 1 MHz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	16	µV/V	2	95%	Yes	95
						Frequency	10 Hz to 20 Hz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	16	µV/V	2	95%	Yes	96
						Frequency	30 Hz to 300 Hz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	13	µV/V	2	95%	Yes	97
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	13	µV/V	2	95%	Yes	98
						Frequency	50 kHz to 70 kHz						

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AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	14	µV/V	2	95%	Yes	99
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	21	µV/V	2	95%	Yes	100
						Frequency	200 kHz to 500 kHz						
AC/DC voltage transfer: AC/DC transfer difference at medium voltages (0.5 V to 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	0.6	5	V	Voltage	600 mV, 700 mV, 1 V, 2 V, 3 V, 4 V, 5 V	32	µV/V	2	95%	Yes	101
						Frequency	700 kHz to 1 MHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	16	µV/V	2	95%	Yes	102
						Frequency	10 Hz to 20 Hz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	16	µV/V	2	95%	Yes	103
						Frequency	30 Hz to 300 Hz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	13	µV/V	2	95%	Yes	104
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	13	µV/V	2	95%	Yes	105
						Frequency	50 kHz to 70 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	14	µV/V	2	95%	Yes	106
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	21	µV/V	2	95%	Yes	107
						Frequency	200 kHz to 500 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	7	10	V	Voltage	7 V, 10 V	32	µV/V	2	95%	Yes	108
						Frequency	700 kHz to 1 MHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	24	µV/V	2	95%	Yes	109
						Frequency	10 Hz to 20 Hz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	23	µV/V	2	95%	Yes	110
						Frequency	30 Hz to 300 Hz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	16	µV/V	2	95%	Yes	111
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	19	µV/V	2	95%	Yes	112
						Frequency	50 kHz to 70 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	19	µV/V	2	95%	Yes	113
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	30	µV/V	2	95%	Yes	114

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
						Frequency	200 kHz to 500 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	20	30	V	Voltage	20 V, 30 V	42	µV/V	2	95%	Yes	115
						Frequency	700 kHz to 1 MHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	32	µV/V	2	95%	Yes	116
						Frequency	10 Hz to 20 Hz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	24	µV/V	2	95%	Yes	117
						Frequency	30 Hz to 300 Hz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	16	µV/V	2	95%	Yes	118
						Frequency	400 Hz to 30 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	24	µV/V	2	95%	Yes	119
						Frequency	50 kHz to 70 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	28	µV/V	2	95%	Yes	120
						Frequency	100 kHz						
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	500	500	V	Frequency	10 Hz to 20 Hz	42	µV/V	2	95%	Yes	121
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	500	500	V	Frequency	30 Hz to 300 Hz	32	µV/V	2	95%	Yes	122
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	500	500	V	Frequency	400 Hz to 30 kHz	24	µV/V	2	95%	Yes	123
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	500	500	V	Frequency	50 kHz to 70 kHz	32	µV/V	2	95%	Yes	124
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	500	500	V	Frequency	100 kHz	42	µV/V	2	95%	Yes	125
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	1000	1000	V	Frequency	10 Hz to 20 Hz	52	µV/V	2	95%	Yes	126

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	1000	1000	V	Frequency	30 Hz to 300 Hz	45	µV/V	2	95%	Yes	127
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	1000	1000	V	Frequency	400 Hz to 30 kHz	28	µV/V	2	95%	Yes	128
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	1000	1000	V	Frequency	50 kHz to 70 kHz	61	µV/V	2	95%	Yes	129
AC/DC voltage transfer: AC/DC transfer difference at higher voltages (> 5 V)	Thermal converters, AC/DC transfer standard	AC/DC voltage transfer	1000	1000	V	Frequency	100 kHz	81	µV/V	2	95%	Yes	130
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	10 Hz to 20 Hz	110	µV/V	2	95%	Yes	131
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	30 Hz to 300 Hz	93	µV/V	2	95%	Yes	132
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	400 Hz to 30 kHz	93	µV/V	2	95%	Yes	133
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	50 kHz to 70 kHz	93	µV/V	3	95%	Yes	134
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	100 kHz	110	µV/V	2	95%	Yes	135
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	200 kHz to 500 kHz	280	µV/V	2	95%	Yes	136
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	10	mV	Frequency	700 kHz to 1 MHz	340	µV/V	3	95%	Yes	137
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	10 Hz to 20 Hz	82	µV/V	2	95%	Yes	138

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	30 Hz to 300 Hz	69	µV/V	2	95%	Yes	139
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	400 Hz to 30 kHz	69	µV/V	2	95%	Yes	140
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	50 kHz to 70 kHz	69	µV/V	2	95%	Yes	141
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	100 kHz	80	µV/V	2	95%	Yes	142
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	200 kHz to 500 kHz	270	µV/V	2	95%	Yes	143
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	20	20	mV	Frequency	700 kHz to 1 MHz	310	µV/V	2	95%	Yes	144
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	10 Hz to 20 Hz	71	µV/V	2	95%	Yes	145
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	30 Hz to 300 Hz	53	µV/V	2	95%	Yes	146
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	400 Hz to 30 kHz	53	µV/V	2	95%	Yes	147
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	50 kHz to 70 kHz	53	µV/V	2	95%	Yes	148
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	100 kHz	61	µV/V	2	95%	Yes	149
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	200 kHz to 500 kHz	250	µV/V	2	95%	Yes	150
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	60	60	mV	Frequency	700 kHz to 1 MHz	280	µV/V	2	95%	Yes	151
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	45	µV/V	2	95%	Yes	152
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	34	µV/V	2	95%	Yes	153
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	34	µV/V	2	95%	Yes	154
						Frequency	30 Hz to 300 Hz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	34	µV/V	2	95%	Yes	155
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	47	µV/V	2	95%	Yes	156
						Frequency	100 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	240	µV/V	2	95%	Yes	157
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	260	µV/V	2	95%	Yes	158
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	23	µV/V	2	95%	Yes	159
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	23	µV/V	2	95%	Yes	160
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	21	µV/V	2	95%	Yes	161
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	21	µV/V	2	95%	Yes	162
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	31	µV/V	2	95%	Yes	163
						Frequency	100 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	230	µV/V	2	95%	Yes	164
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	230	µV/V	2	95%	Yes	165
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	20	µV/V	2	95%	Yes	166
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	20	µV/V	2	95%	Yes	167
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	20	µV/V	2	95%	Yes	168
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	20	µV/V	2	95%	Yes	169
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	29	µV/V	2	95%	Yes	170
						Frequency	100 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	180	µV/V	2	95%	Yes	171
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	350	µV/V	2	95%	Yes	172
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	29	µV/V	2	95%	Yes	173
						Frequency	10 Hz to 20 Hz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	29	µV/V	2	95%	Yes	174
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	23	µV/V	2	95%	Yes	175
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	24	µV/V	2	95%	Yes	176
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	24	µV/V	2	95%	Yes	177
						Frequency	100 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	230	µV/V	2	95%	Yes	178
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	580	µV/V	2	95%	Yes	179
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	35	µV/V	2	95%	Yes	180
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	27	µV/V	2	95%	Yes	181
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	21	µV/V	2	95%	Yes	182
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	26	µV/V	2	95%	Yes	183
						Frequency	50 kHz to 70 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	31	µV/V	2	95%	Yes	184
						Frequency	100 kHz						
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	500	500	V	Frequency	10 Hz to 20 Hz	44	µV/V	2	95%	Yes	185
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	500	500	V	Frequency	30 Hz to 300 Hz	35	µV/V	2	95%	Yes	186
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	500	500	V	Frequency	400 Hz to 30 kHz	27	µV/V	2	95%	Yes	187
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	500	500	V	Frequency	50 kHz to 70 kHz	35	µV/V	2	95%	Yes	188
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	500	500	V	Frequency	100 kHz	44	µV/V	2	95%	Yes	189
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1000	1000	V	Frequency	10 Hz to 20 Hz	54	µV/V	2	95%	Yes	190
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1000	1000	V	Frequency	30 Hz to 300 Hz	47	µV/V	2	95%	Yes	191
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1000	1000	V	Frequency	400 Hz to 30 kHz	31	µV/V	2	95%	Yes	192
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1000	1000	V	Frequency	50 kHz to 70 kHz	63	µV/V	2	95%	Yes	193
AC voltage up to 1000 V: sources	Multifunction calibrator	AC/DC voltage transfer	1000	1000	V	Frequency	100 kHz	82	µV/V	2	95%	Yes	194
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	10 Hz to 20 Hz	110	µV/V	2	95%	Yes	195
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	30 Hz to 300 Hz	93	µV/V	2	95%	Yes	196
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	400 Hz to 30 kHz	90	µV/V	2	95%	Yes	197
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	50 kHz to 70 kHz	90	µV/V	2	95%	Yes	198
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	100 kHz	110	µV/V	2	95%	Yes	199
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	200 kHz to 500 kHz	280	µV/V	2	95%	Yes	200

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	10	mV	Frequency	700 kHz to 1 MHz	340	µV/V	2	95%	Yes	201
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	10 Hz to 20 Hz	79	µV/V	2	95%	Yes	202
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	30 Hz to 300 Hz	65	µV/V	2	95%	Yes	203
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	400 Hz to 30 kHz	65	µV/V	2	95%	Yes	204
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	50 kHz to 70 kHz	65	µV/V	2	95%	Yes	205
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	100 kHz	74	µV/V	2	95%	Yes	206
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	200 kHz to 500 kHz	270	µV/V	2	95%	Yes	207
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	20	20	mV	Frequency	700 kHz to 1 MHz	310	µV/V	2	95%	Yes	208
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	10 Hz to 20 Hz	67	µV/V	2	95%	Yes	209
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	30 Hz to 300 Hz	48	µV/V	2	95%	Yes	210
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	400 Hz to 30 kHz	48	µV/V	2	95%	Yes	211
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	50 kHz to 70 kHz	48	µV/V	2	95%	Yes	212
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	100 kHz	57	µV/V	2	95%	Yes	213
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	200 kHz to 500 kHz	250	µV/V	2	95%	Yes	214
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	60	60	mV	Frequency	700 kHz to 1 MHz	280	µV/V	2	95%	Yes	215
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	38	µV/V	2	95%	Yes	216
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	25	µV/V	2	95%	Yes	217

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	25	µV/V	2	95%	Yes	218
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	25	µV/V	2	95%	Yes	219
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	41	µV/V	2	95%	Yes	220
						Frequency	100 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	240	µV/V	2	95%	Yes	221
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	100	200	mV	Voltage	100 mV, 200 mV	260	µV/V	2	95%	Yes	222
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	20	µV/V	2	95%	Yes	223
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	20	µV/V	2	95%	Yes	224
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	18	µV/V	2	95%	Yes	225
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	18	µV/V	2	95%	Yes	226
						Frequency	50 kHz to 70 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	29	µV/V	2	95%	Yes	227
						Frequency	100 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	230	µV/V	2	95%	Yes	228
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	300	700	mV	Voltage	300 mV to 500 mV, 600 mV, 700 mV	230	µV/V	2	95%	Yes	229
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	16	µV/V	2	95%	Yes	230
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	16	µV/V	2	95%	Yes	231
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	16	µV/V	2	95%	Yes	232
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	16	µV/V	2	95%	Yes	233
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	27	µV/V	2	95%	Yes	234
						Frequency	100 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	180	µV/V	2	95%	Yes	235
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1	7	V	Voltage	1 V, 2 V, 3 V, 4 V, 5 V, 6 V, 7 V	350	µV/V	2	95%	Yes	236
						Frequency	700 kHz to 1 MHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	29	µV/V	2	95%	Yes	237
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	29	µV/V	2	95%	Yes	238
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	23	µV/V	2	95%	Yes	239
						Frequency	400 Hz to 30 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	24	µV/V	2	95%	Yes	240
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	24	µV/V	2	95%	Yes	241
						Frequency	100 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	230	µV/V	2	95%	Yes	242
						Frequency	200 kHz to 500 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	10	30	V	Voltage	10 V, 20 V, 30 V	580	µV/V	2	95%	Yes	243
						Frequency	700 kHz to 1 MHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	33	µV/V	2	95%	Yes	244
						Frequency	10 Hz to 20 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	25	µV/V	2	95%	Yes	245
						Frequency	30 Hz to 300 Hz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	18	µV/V	2	95%	Yes	246
						Frequency	400 Hz to 30 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	25	µV/V	2	95%	Yes	247
						Frequency	50 kHz to 70 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	40	300	V	Voltage	40 V, 50 V, 60 V, 70 V, 100 V, 200 V, 300 V	29	µV/V	2	95%	Yes	248
						Frequency	100 kHz						
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	500	500	V	Frequency	10 Hz to 20 Hz	43	µV/V	2	95%	Yes	249
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	500	500	V	Frequency	30 Hz to 300 Hz	33	µV/V	2	95%	Yes	250
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	500	500	V	Frequency	400 Hz to 30 kHz	25	µV/V	2	95%	Yes	251
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	500	500	V	Frequency	50 kHz to 70 kHz	33	µV/V	2	95%	Yes	252
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	500	500	V	Frequency	100 kHz	43	µV/V	2	95%	Yes	253
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1000	1000	V	Frequency	10 Hz to 20 Hz	52	µV/V	2	95%	Yes	254
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1000	1000	V	Frequency	30 Hz to 300 Hz	43	µV/V	2	95%	Yes	255
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1000	1000	V	Frequency	400 Hz to 30 kHz	29	µV/V	2	95%	Yes	256
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1000	1000	V	Frequency	50 kHz to 70 kHz	63	µV/V	2	95%	Yes	257
AC voltage up to 1000 V: meters	AC voltmeter, multimeter	AC/DC voltage transfer	1000	1000	V	Frequency	100 kHz	81	µV/V	2	95%	Yes	258
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2.5	20	mA	Current	5 mA, 10 mA, 20 mA	69	µA/A	2	95%	Yes	259
						Frequency	10 Hz to 20 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2.5	20	mA	Current	5 mA, 10 mA, 20 mA	71	µA/A	2	95%	Yes	260
						Frequency	50 kHz						

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2.5	20	mA	Current	5 mA, 10 mA, 20 mA	73	µA/A	2	95%	Yes	261
						Frequency	70 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2.5	20	mA	Current	5 mA, 10 mA, 20 mA	75	µA/A	2	95%	Yes	262
						Frequency	100 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	30	50	mA	Current	30 mA, 50 mA	70	µA/A	2	95%	Yes	263
						Frequency	10 Hz to 20 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	30	50	mA	Current	30 mA, 50 mA	73	µA/A	2	95%	Yes	264
						Frequency	50 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	30	50	mA	Current	30 mA, 50 mA	75	µA/A	2	95%	Yes	265
						Frequency	70 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	30	50	mA	Current	30 mA, 50 mA	77	µA/A	2	95%	Yes	266
						Frequency	100 kHz						
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	100	100	mA	Frequency	10 Hz to 10 kHz	70	µA/A	2	95%	Yes	267
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	100	100	mA	Frequency	20 kHz	71	µA/A	2	95%	Yes	268
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	100	100	mA	Frequency	50 kHz	75	µA/A	2	95%	Yes	269
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	100	100	mA	Frequency	70 kHz	77	µA/A	2	95%	Yes	270
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	100	100	mA	Frequency	100 kHz	79	µA/A	2	95%	Yes	271
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	200	200	mA	Frequency	10 Hz to 10 kHz	71	µA/A	2	95%	Yes	272
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	200	200	mA	Frequency	20 kHz	73	µA/A	2	95%	Yes	273

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	200	200	mA	Frequency	50 kHz	77	µA/A	2	95%	Yes	274
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	200	200	mA	Frequency	70 kHz	79	µA/A	2	95%	Yes	275
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	200	200	mA	Frequency	100 kHz	82	µA/A	2	95%	Yes	276
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	300	300	mA	Frequency	10 Hz to 10 kHz	71	µA/A	2	95%	Yes	277
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	300	300	mA	Frequency	20 kHz	75	µA/A	2	95%	Yes	278
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	300	300	mA	Frequency	50 kHz	79	µA/A	2	95%	Yes	279
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	300	300	mA	Frequency	70 kHz	82	µA/A	2	95%	Yes	280
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	300	300	mA	Frequency	100 kHz	85	µA/A	2	95%	Yes	281
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	500	500	mA	Frequency	10 Hz to 10 kHz	71	µA/A	2	95%	Yes	282
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	500	500	mA	Frequency	20 kHz	77	µA/A	2	95%	Yes	283
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	500	500	mA	Frequency	50 kHz	82	µA/A	2	95%	Yes	284
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	500	500	mA	Frequency	70 kHz	85	µA/A	2	95%	Yes	285
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	500	500	mA	Frequency	100 kHz	88	µA/A	2	95%	Yes	286
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	1	1	A	Frequency	10 Hz to 10 kHz	73	µA/A	2	95%	Yes	287

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	1	1	A	Frequency	20 kHz	79	µA/A	2	95%	Yes	288
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	1	1	A	Frequency	50 kHz	91	µA/A	2	95%	Yes	289
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	1	1	A	Frequency	70 kHz	98	µA/A	2	95%	Yes	290
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	1	1	A	Frequency	100 kHz	113	µA/A	2	95%	Yes	291
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2	2	A	Frequency	10 Hz to 10 kHz	73	µA/A	2	95%	Yes	292
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2	2	A	Frequency	20 kHz	83	µA/A	2	95%	Yes	293
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2	2	A	Frequency	50 kHz	98	µA/A	2	95%	Yes	294
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2	2	A	Frequency	70 kHz	105	µA/A	2	95%	Yes	295
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	2	2	A	Frequency	100 kHz	121	µA/A	2	95%	Yes	296
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	3	3	A	Frequency	10 Hz to 10 kHz	75	µA/A	2	95%	Yes	297
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	3	3	A	Frequency	20 kHz	94	µA/A	2	95%	Yes	298
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	3	3	A	Frequency	50 kHz	121	µA/A	2	95%	Yes	299
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	3	3	A	Frequency	70 kHz	142	µA/A	2	95%	Yes	300
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	3	3	A	Frequency	100 kHz	165	µA/A	2	95%	Yes	301

Calibration and Measurement Capabilities

Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of confidence	Is the expanded uncertainty a relative one?	NMI Service Identification
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	5	5	A	Frequency	10 Hz to 10 kHz	79	µA/A	2	95%	Yes	302
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	5	5	A	Frequency	20 kHz	98	µA/A	2	95%	Yes	303
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	5	5	A	Frequency	50 kHz	130	µA/A	2	95%	Yes	304
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	5	5	A	Frequency	70 kHz	156	µA/A	2	95%	Yes	305
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	5	5	A	Frequency	100 kHz	202	µA/A	2	95%	Yes	306
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	10	10	A	Frequency	10 Hz to 10 kHz	85	µA/A	2	95%	Yes	307
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	10	10	A	Frequency	20 kHz	98	µA/A	2	95%	Yes	308
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	10	10	A	Frequency	50 kHz	0.1	mA/A	2	95%	Yes	309
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	10	10	A	Frequency	70 kHz, 100 kHz	0.11	mA/A	2	95%	Yes	310
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	20	20	A	Frequency	10 Hz to 10 kHz	70	µA/A	2	95%	Yes	311
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	20	20	A	Frequency	20 kHz, 50 kHz, 70 kHz	0.11	mA/A	2	95%	Yes	312
AC current up to 100 A: sources	Multifunction calibrator	AC/DC current transfer	20	20	A	Frequency	100 kHz	0.12	mA/A	2	95%	Yes	313